*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

Input Set : A:\Pto.amc

Output Set: C:\CRF3\05252001\I462625.raw

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4 <110> APPLICANT: Georgiev, Georgii
     5
             Kiselev, Sergei
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             Prokhorchouk, Egor
             Ostermann, Elinborg
     9 <120> TITLE OF INVENTION: Tumor Growth Inhibition- and Apoptosis-Associated Genes
             and Polypeptides and Methods of Use Thereof
    12 <130> FILE REFERENCE: 0652.1630001
C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/462,625
C--> 15 <141> CURRENT FILING DATE: 2000-07-28
    17 <150> PRIOR APPLICATION NUMBER: US 08/893,764
    18 <151> PRIOR FILING DATE: 1997-07-11
    20 <150> PRIOR APPLICATION NUMBER: PCT/EP98/04287
    21 <151> PRIOR FILING DATE: 1998-07-10
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    52 aca gcc ggc agc ttc tgc aac agc ccg gac tcc tgt gaa cag cag gcc
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    53 Thr Ala Gly Ser Phe Cys Asn Ser Pro Asp Ser Cys Glu Gln Gln Ala
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    56 cgc aat gtg cag cat tac cac aag aat gag ctg ggc tgg tgc gat gta
    57 Arg Asn Val Gln His Tyr His Lys Asn Glu Leu Gly Trp Cys Asp Val
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    65 Gly Trp Asn Ile Lys Gly Asp His Thr Gly Pro Ile Trp Asn Pro Met
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Input Set : A:\Pto.amc

Output Set: C:\CRF3\05252001\I462625.raw

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73 Lys Arg Ala Leu Arg Ala Ala Leu Asn Leu Leu Glu Cys Gly Val Ser
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76 cgg ggc ttc ctg aga tcc aac tat gaa gtc aaa gga cac cgg gat gtg
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77 Arg Gly Phe Leu Arg Ser Asn Tyr Glu Val Lys Gly His Arg Asp Val
78 145
                       150
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80 caa agc act ctc tct cca ggt gac caa ctc tat cag gtc atc caa agc
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81 Gln Ser Thr Leu Ser Pro Gly Asp Gln Leu Tyr Gln Val Ile Gln Ser
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104 Thr Ala Gly Ser Phe Cys Asn Ser Pro Asp Ser Cys Glu Gln Gln Ala
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106 Arg Asn Val Gln His Tyr His Lys Asn Glu Leu Gly Trp Cys Asp Val
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108 Ala Tyr Asn Phe Leu Ile Gly Glu Asp Gly His Val Tyr Glu Gly Arg
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110 Gly Trp Asn Ile Lys Gly Asp His Thr Gly Pro Ile Trp Asn Pro Met
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112 Ser Ile Gly Ile Thr Phe Met Gly Asn Phe Met Asp Arg Val Pro Ala
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114 Lys Arg Ala Leu Arg Ala Ala Leu Asn Leu Leu Glu Cys Gly Val Ser
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116 Arg Gly Phe Leu Arg Ser Asn Tyr Glu Val Lys Gly His Arg Asp Val
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Input Set : A:\Pto.amc

Output Set: C:\CRF3\05252001\I462625.raw -

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153 geg get cag gag aca gaa gac eeg gee tge tge age eec ata gtg eec
154 Ala Ala Gln Glu Thr Glu Asp Pro Ala Cys Cys Ser Pro Ile Val Pro
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162 Leu Pro Leu Arg Tyr Val Val Ser His Thr Ala Gly Ser Ser Cys
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166 Asn Thr Pro Ala Ser Cys Gln Gln Gln Ala Arg Asn Val Gln His Tyr
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193 ggc aac cag ctc tac cac ctc atc cag aat tgg cca cac tac cgc tcc
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Input Set : A:\Pto.amc

Output Set: C:\CRF3\05252001\I462625.raw

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212	20		25		30								
213	Glu Trp Lys Ala	Leu Ala Ser	Glu Cys Ala	a Gln His Leu	Ser Leu Pro	•							
214	35		40	45									
	Leu Arg Tyr Val				Cys Asn Thr								
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	Pro Ala Ser Cys		Ala Arg Asi	n val Gin His 75	Tyr His Met 80								
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220	rys IIII red Gry	85	var Gry Tyl 90		95								
	Asp Gly Leu Val		•										
222	100		105		110								
	Ser Gly His Leu		Met Ser Ile	e Gly Ile Ser	Phe Met Gly								
224	115	-	120	125	4								
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226	130	135		140									
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	145	150	** 1 01 7	155	160								
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Input Set : A:\Pto.amc

Output Set: C:\CRF3\05252001\I462625.raw

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VERIFICATION SUMMARY

DATE: 05/25/2001

PATENT APPLICATION: US/09/462,625

TIME: 14:38:23

Input Set : A:\Pto.amc

Output Set: C:\CRF3\05252001\I462625.raw

L:14 M:270 C: Current Application Number differs, Replaced Application Number

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date

Input Set : A:\seqlist- 0652 1630001.txt
Output Set: C:\CRF3\05252001\1462625.raw

Does Not Comply
Corrected Diskette Needed

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4 <110> APPLICANT: Georgiev, Georgii
             Kiselev, Sergei
             Prokhorchouk, Egor
             Ostermann, Elinborg
      9 <120> TITLE OF INVENTION: Tumor Growth Inhibition- and Apoptosis-Associated Genes
             and Polypeptides and Methods of Use Thereof
     12 <130> FILE REFERENCE: 0652.1630001
C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/462,625
C--> 15 <141> CURRENT FILING DATE: 2000-07-28
     17 <150> PRIOR APPLICATION NUMBER: US 08/893,764
     18 <151> PRIOR FILING DATE: 1997-07-11
     20 <150> PRIOR APPLICATION NUMBER: PCT/EP98/04287
     21 <151> PRIOR FILING DATE: 1998-07-10
     23 <160> NUMBER OF SEQ ID NOS: 24
     25 <170> SOFTWARE: PatentIn Ver. 2.1
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                                                75
     60 gcc tac aac ttc ctt att gga gag gac ggt cat gtc tat gaa ggc cga
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     61 Ala Tyr Asn Phe Leu Ile Gly Glu Asp Gly His Val Tyr Glu Gly Arg
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     64 ggc tgg aac atc aag ggt gac cac aca ggg ccc atc tgg aat ccc atg
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     65 Gly Trp Asn Ile Lys Gly Asp His Thr Gly Pro Ile Trp Asn Pro Met
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DATE: 05/25/2001

TIME: 13:39:32

Input Set : A:\seqlist- 0652 1630001.txt Output Set: C:\CRF3\05252001\I462625.raw 69 Ser Ile Gly Ile Thr Phe Met Gly Asn Phe Met Asp Arg Val Pro Ala 115 120 72 aag cgg gcc ctc cgt gct gcc cta aat ctt ctg gaa tgt ggg gtg tct 432 73 Lys Arg Ala Leu Arg Ala Ala Leu Asn Leu Glu Cys Gly Val Ser 130 135 76 cgg ggc ttc ctg aga tcc aac tat gaa gtc aaa gga cac cgg gat gtg 480 77 Arg Gly Phe Leu Arg Ser Asn Tyr Glu Val Lys Gly His Arg Asp Val 150 155 80 caa agc act ctc tct cca ggt gac caa ctc tat cag gtc atc caa agc 528 81 Gln Ser Thr Leu Ser Pro Gly Asp Gln Leu Tyr Gln Val Ile Gln Ser 84 tgg gaa cac tac cga gag tga 549 85 Trp Glu His Tyr Arg Glu 86 180 89 <210> SEQ ID NO: 2 90 <211> LENGTH: 182 91 <212> TYPE: PRT 92 <213> ORGANISM: Artificial Sequence -> 93 <220> FEATURE: Cadd numere idli 93 <223> OTHER INFORMATION: Description of Artificial Sequence: tag7 cDNA 95 <400> SEQUENCE: 2 96 Met Leu Phe Ala Cys Ala Leu Leu Ala Leu Leu Gly Leu Ala Thr Ser 10 98 Cys Ser Phe Ile Val Pro Arg Ser Glu Trp Arg Ala Leu Pro Ser Glu 100 Cys Ser Ser Arg Leu Gly His Pro Val Arg Tyr Val Val Ile Ser His 35 102 Thr Ala Gly Ser Phe Cys Asn Ser Pro Asp Ser Cys Glu Gln Gln Ala 1.03 50 -55 104 Arg Asn Val Gln His Tyr His Lys Asn Glu Leu Gly Trp Cys Asp Val 70 106 Ala Tyr Asn Phe Leu Ile Gly Glu Asp Gly His Val Tyr Glu Gly Arg 108 Gly Trp Asn Ile Lys Gly Asp His Thr Gly Pro Ile Trp Asn Pro Met 100 105 110 Ser Ile Gly Ile Thr Phe Met Gly Asn Phe Met Asp Arg Val Pro Ala 115 120 112 Lys Arg Ala Leu Arg Ala Ala Leu Asn Leu Glu Cys Gly Val Ser 135 114 Arg Gly Phe Leu Arg Ser Asn Tyr Glu Val Lys Gly His Arg Asp Val 150 155 115 145 116 Gln Ser Thr Leu Ser Pro Gly Asp Gln Leu Tyr Gln Val Ile Gln Ser 117 165 118 Trp Glu His Tyr Arg Glu 119 180

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/462,625

126 <213> ORGANISM: Homo sapiens

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Output Set: C:\CRF3\05252001\I462625.raw

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	Asn	Thr	Pro	Ala	Ser	Cys	Gln	Gln	Gln	Ala	Arg	Asn	Val	Gln	His	Tyr	
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				tac													493
	Met	Gly	Asn	Tyr	Met	Asp	Arg	Val		Thr	Pro	Gln	Ala		Arg	Ala	
181				130					135					140			
				cta													541
	Ala	Gln		Leu	Leu	Ala	Cys		Val	Ala	Gln	Gly		Leu	Arg	Ser	
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				ctc													589
	Asn		Val	Leu	Lys	Gly		Arg	Asp	Val	Gln	_	Thr	Leu	Ser	Pro	
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Input Set : A:\seqlist- 0652 1630001.txt
Output Set: C:\CRF3\05252001\1462625.raw

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224 130
225 Gly Leu Leu Ala Cys Gly Val Ala Gln Gly Ala Leu Arg Ser Asn Tyr
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Input Set : A:\seqlist- 0652 1630001.txt
Output Set: C:\CRF3\05252001\1462625.raw

258 <210> SEQ ID NO: 7 259 <211> LENGTH: 10 260 <212> TYPE: DNA 261 <213> ORGANISM: Artificial Sequence 263 <220> FEATURE: 264 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA Primer 266 <400> SEQUENCE: 7 267 agtcagccac 10 270 <210> SEQ ID NO: 8 271 <211> LENGTH: 18 272 <212> TYPE: DNA 273 <213> ORGANISM: Artificial Sequence 275 <220> FEATURE: 276 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA Primer 278 <400> SEQUENCE: 8 279 gaaagggcct cgtgatac 18 282 <210> SEQ ID NO: 9 283 <211> LENGTH: 36 284 <212> TYPE: DNA 285 <213> ORGANISM: Artificial Sequence 287 <220> FEATURE: 288 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA Primer 290 <400> SEQUENCE: 9 291 cagggccctc cactcacttg cataggcatt tgtagc 36 294 <210> SEQ ID NO: 10 295 <211> LENGTH: 36 296 <212> TYPE: DNA 297 <213> ORGANISM: Artificial Sequence 299 <220> FEATURE: 300 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA Primer 302 <400> SEQUENCE: 10 303 gctacaaatg cctatgcaag tgagtggagg gccctq 36 306 <210> SEQ ID NO: 11 307 <211> LENGTH: 41 308 <212> TYPE: DNA 309 <213> ORGANISM: Artificial Sequence 311 <220> FEATURE: 312 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA Primer 314 <400> SEQUENCE: 11 315 ggccgctagc ctgcagttat cactctcggt agtgttccca g .41 318 <210> SEQ ID NO: 12 319 <211> LENGTH: 30 320 <212> TYPE: DNA 321 <213> ORGANISM: Artificial Sequence 323 <220> FEATURE: 324 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA Primer 326 <400> SEQUENCE: 12 327 ggcggatccg agtggagggc cctgccatcc 30

330 <210> SEQ ID NO: 13

VERIFICATION SUMMARY

DATE: 05/25/2001

PATENT APPLICATION: US/09/462,625

TIME: 13:39:33

Input Set : A:\seqlist- 0652 1630001.txt
Output Set: C:\CRF3\05252001\I462625.raw

L:14 M:270 C: Current Application Number differs, Replaced Application Number

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:93 M:258 W: Mandatory Feature missing, <220> FEATURE: